Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/03/2019 03:03 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125099	0	1.44	125189	1.37
Blue	F	SSC	125000	124665	-1	1.50	125566	1.50
Blue	E	FITC	16694	16342	-3	2.58	356	18.99
Blue	D	PE	32792	32205	-2	1.73	702	13.68
Blue	B	PerCP-Cy5-5	44451	43677	-2	3.42	1176	18.93
Blue	A	PE-Cy7	33645	33085	-2	5.73	640	37.15
Red	C	APC	47008	46773	-1	2.51	1651	11.73
Red	A	APC-Cy7	32298	31861	-2	2.57	840	11.21
Violet	B	V450	8961	8571	-5	4.29	483	12.76
Violet	A	V500	32726	31836	-3	3.99	745	9.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21481	2.81	602	-11	N/A	N/A	Pass
Blue	F	SSC	56689	1.04	539	-29	N/A	N/A	Pass
Blue	E	FITC	64	60.65	537	-26	0.0227	81	Pass
Blue	D	PE	147	45.96	543	-23	0.1905	265	Pass
Blue	B	PerCP-Cy5-5	219	44.78	636	-35	0.0109	4	Pass
Blue	A	PE-Cy7	122	89.31	686	-40	0.0136	8	Pass
Red	C	APC	391	24.49	583	-30	0.0283	128	Pass
Red	A	APC-Cy7	187	27.97	557	-28	0.0075	1537	Pass
Violet	B	V450	74	56.74	470	-16	0.0554	1923	Pass
Violet	A	V500	112	29.17	480	-16	0.0260	318	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/03/2019 03:03 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.08	-32.89	0.92
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.47
Red	19.53	13.60 - 20.40	N/A	N/A	30.43	30.83	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11704

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments